

# NON-CONTACT TYPE OPHTHALMOTONOMETER

Publication number: JP2003299622 (A)

Publication date: 2003-10-21

Inventor(s): IJIMA HIROSHI +

Applicant(s): TOPCON CORP +

Classification:

- International: A61B3/16; A61B3/16; (IPC1-7): A61B3/16

- European:

Application number: JP20030140178 20030519

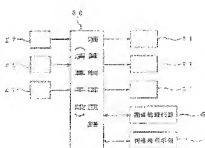
Priority number(s): JP20030140178 20030519

Also published as:

JP3577071 (B2)

Abstract of JP 2003299622 (A)

PROBLEM TO BE SOLVED: To provide a non-contact type ophthalmotonometer with improved reliability of calculated intraocular pressure values. ; SOLUTION: This non-contact type ophthalmotonometer comprises an alignment light projecting optical system 30 projecting measurement luminous flux on the cornea C of an examined eye E, a light receiving sensor 53 receiving the reflected light of the measurement luminous flux from the cornea C, a cornea distortion detection optical system guiding the reflected light of the measurement luminous flux from the cornea C to the light receiving sensor 53, an injection nozzle 17 for spraying air stream to deform the cornea C by spraying the air stream to the cornea C, and an arithmetic control circuit 60 calculating intraocular pressure by obtaining a predetermined deformation point on the cornea C based on the output change of the light receiving sensor 53 when the cornea C is deformed by the injection nozzle 17. The arithmetic control circuit 60 calculates the predetermined deformation point of the cornea C with a second calculating method, when the intraocular pressure value at the predetermined deformation point of the cornea C obtained with a first calculation method exceeds a specified value. ; COPYRIGHT: (C)2004,JPO



Data supplied from the espacenet database — Worldwide

